RDA linked data stuff

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Presented at RDA Linked Data Forum

June 24, 2019, Washington, D.C.

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Resource Description & Access

Overview

RDA Reference and GitHub releases

Short-cuts

Data inheritance

Implementation scenarios

RDARegistry / RDA-Vocabularies

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Releases Tags

Latest release

v3.2.0

5660b9d

Release 3.2.0

GordonDunsire released this on 24 Apr · 1 commit to master since this release

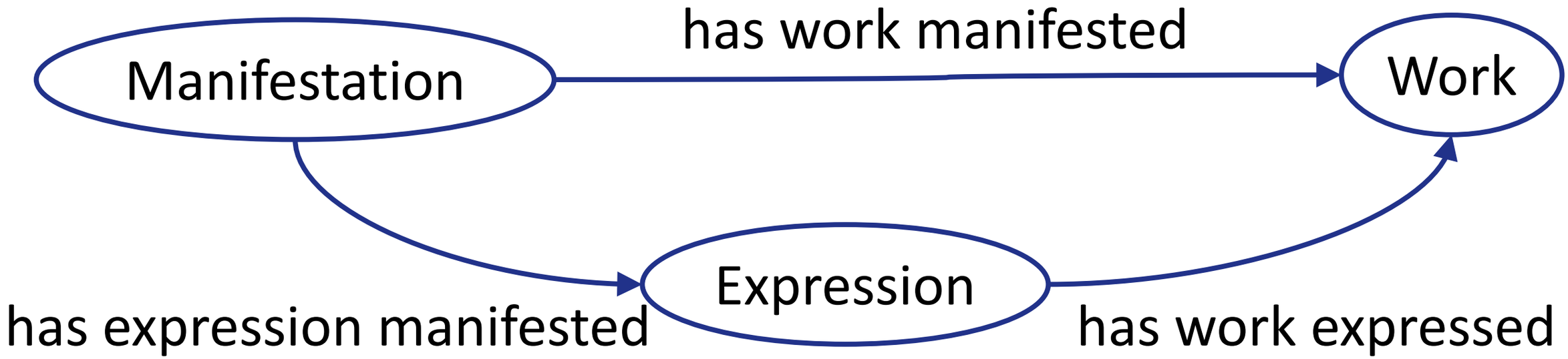
This is a release to support the 3R Project. The content is mostly stable.

The "contributor" short-cut relationships between Manifestation and Agent have been amended to agents who create expressions in place of agents who create works.

This release includes partial translations.

Short-cuts

An element/property that represents a linked chain of two or more other elements



Expression not recorded

The only short-cut in the original Toolkit

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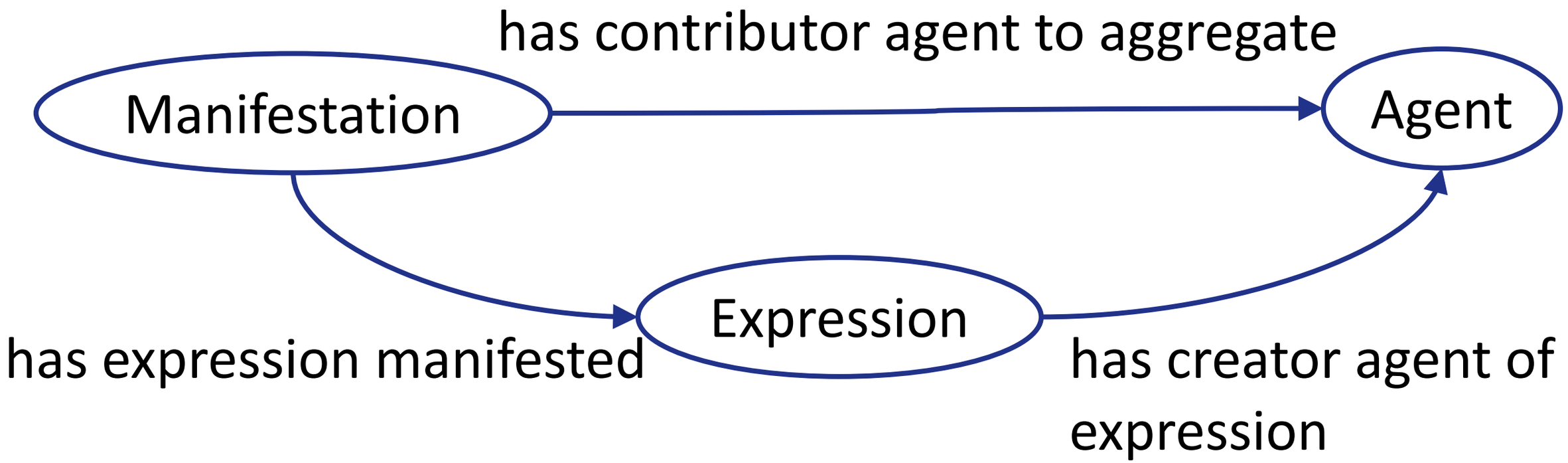
New short-cuts

New Toolkit short-cuts simplify aggregates



Aggregated expression not recorded

Element hierarchies

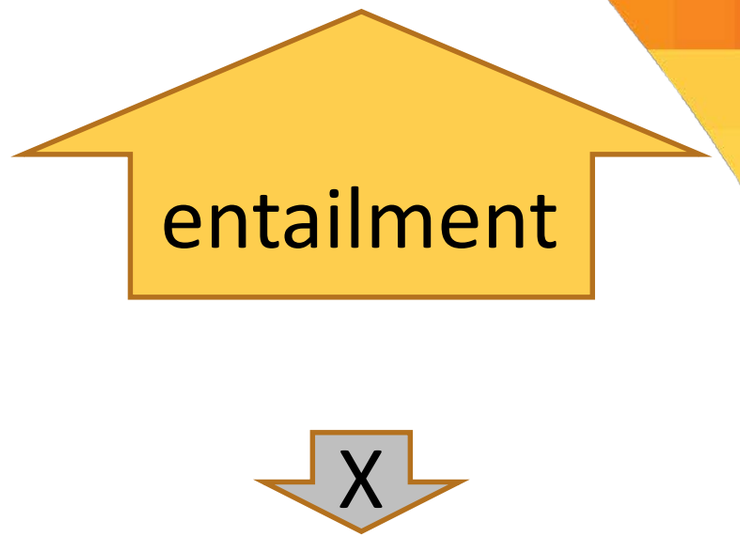
All elements belong to a well-defined and well-formed semantic hierarchy

13 x 13 high-level relationship matrix
13 entities linked to 13 entities
Full matrix hierarchy under construction

Semantics support “smart” machine-processing of RDA data

Data inheritance

appellation of work	“This presentation”
related agent of work	Gordon Dunsire
> related person of work	Gordon Dunsire
>> creator person of work	Gordon Dunsire
>>> author person of work	**Gordon Dunsire**
>>>> screenwriter person	



Data is automatically ‘inherited’ up a hierarchy through semantic inferencing

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Appellation inheritance

Person	
appellation of person	Gordon Dunsire
> name of person	Gordon Dunsire
>> preferred name of person	**Gordon Dunsire**
appellation of person	Dunsire, Gordon
> access point for person	Dunsire, Gordon
>> authorized access point for person	**Dunsire, Gordon**
appellation of person	nb2001072552
> identifier for person	**nb2001072552**

Database implementation scenarios

0: Linked data (RDF)

1: Relational

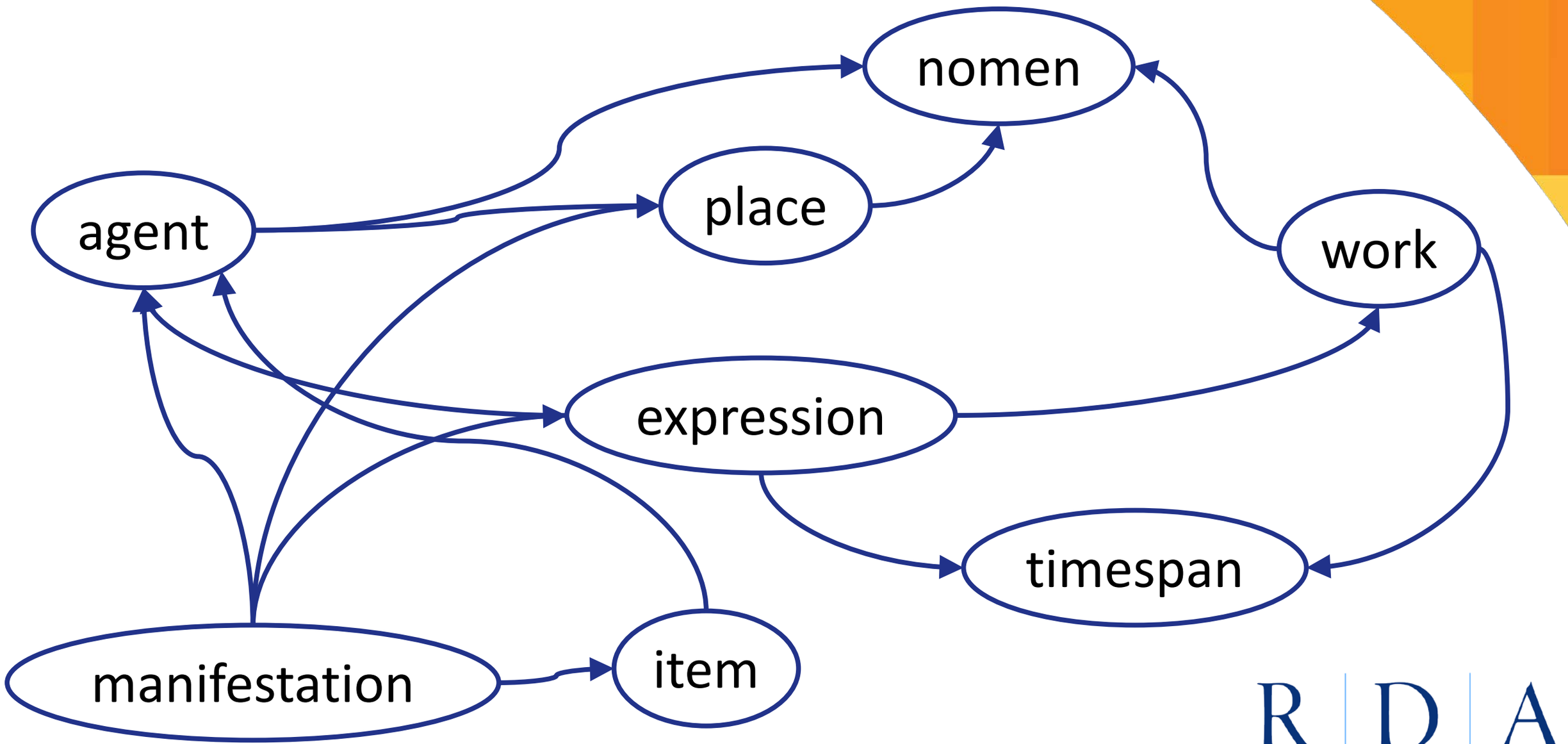
2: Bib/authority

3: Flat file

Review and re-cast in light of new RDA Toolkit

Scenario: Linked data

Discrete entities (and vocabularies) linked by IRI



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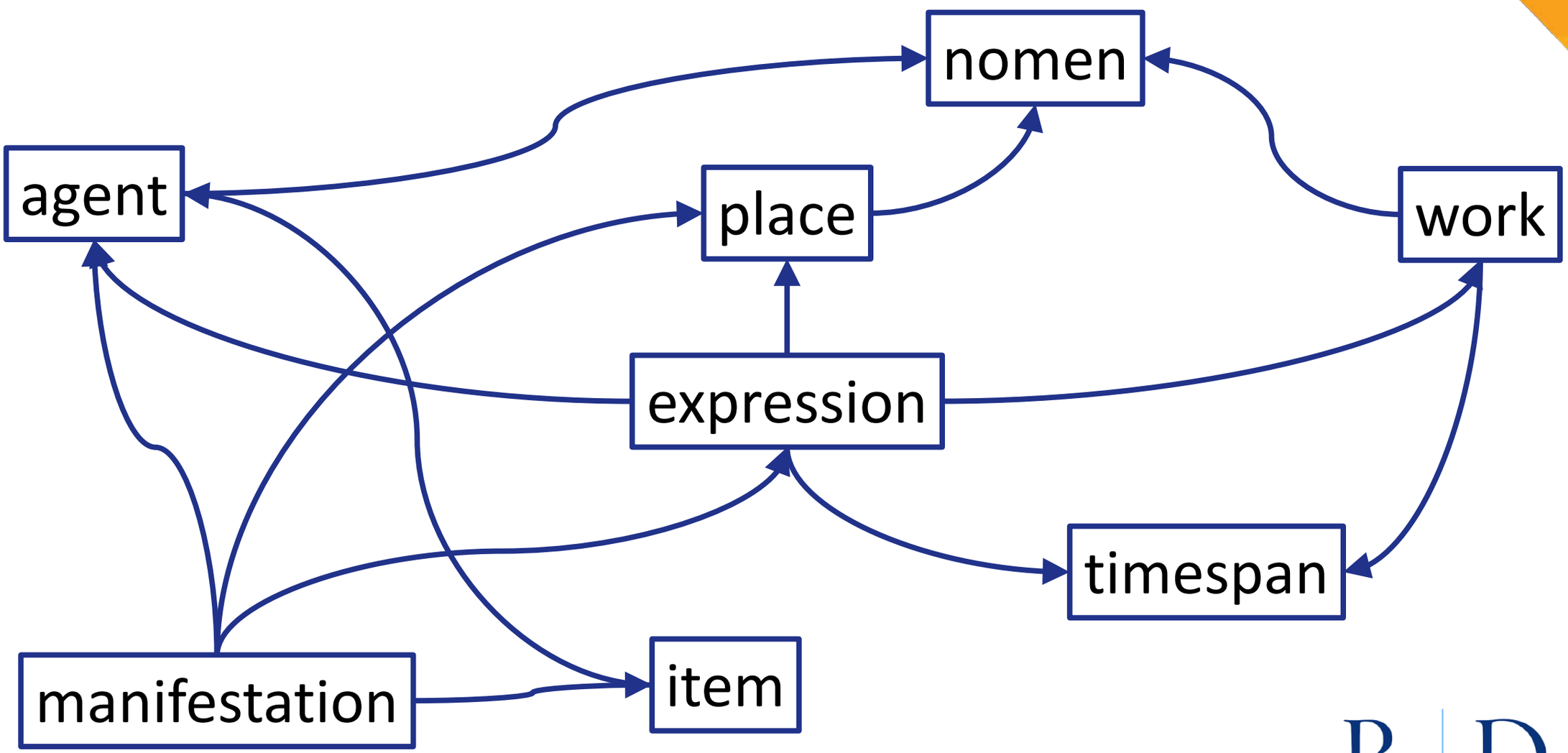
Scenario: Relational data

Discrete entities linked by (local) identifier



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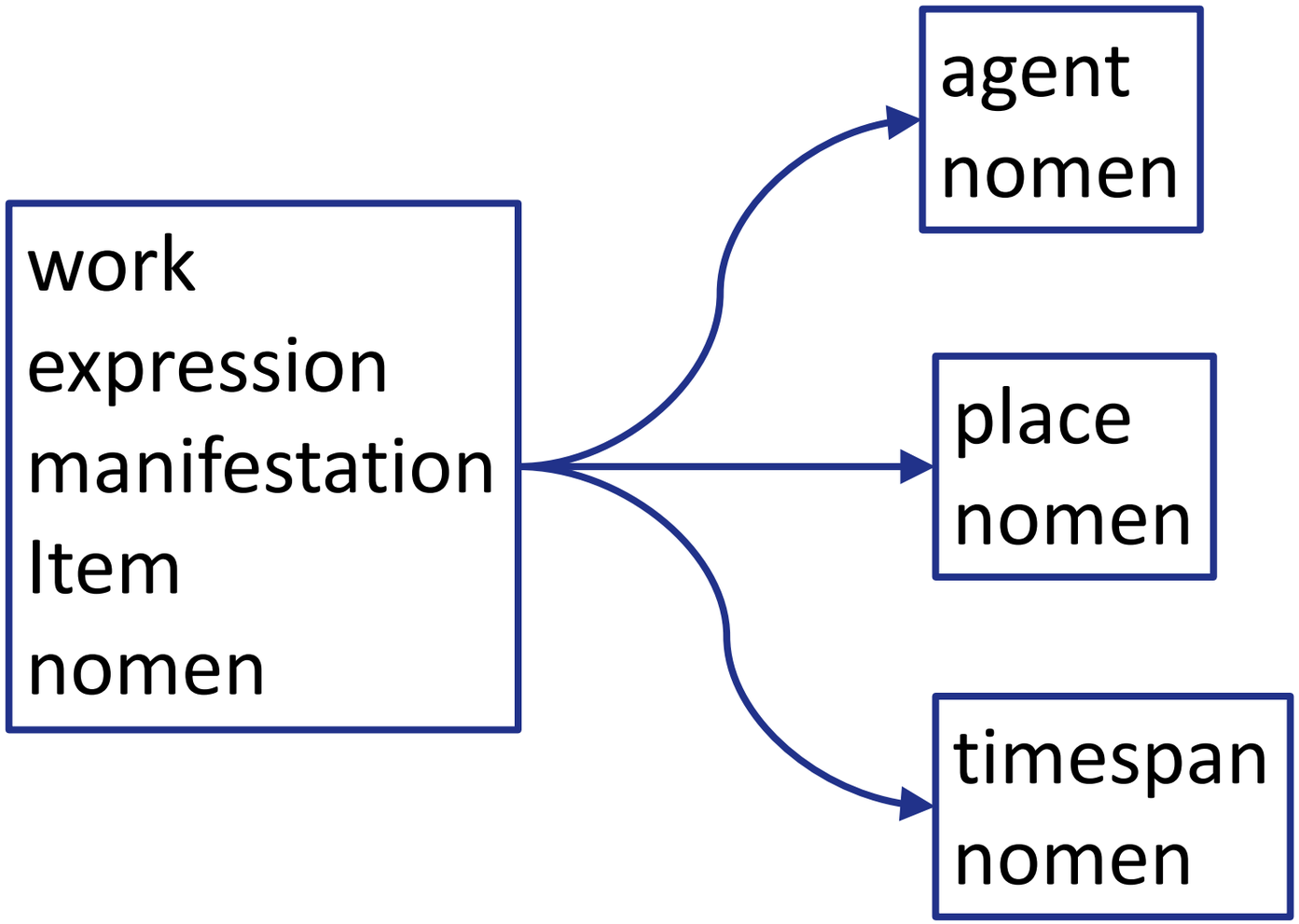
Scenario: Bib/authority

Compound entities linked by authorized access point



Scenario: Flat file

Compound entities with no links

work
expression
manifestation
item
nomen
agent
place
timespan

agent
nomen

Thank you!

Questions? Discussion!